

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Applications  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

January 15, 2004

S I R:

Transmitted herewith for filing are the specification and claims  
 of the patent application of:

Peter Brink, Ira Cohen, Richard Robinson and Michael Rosen for  
 Inventor(s)

Mesenchymal Stem Cells as a Vehicle for Ion Channel Transfer  
in Syncytial Structures  
 Title of Invention

Also enclosed are:

  X     10   sheet(s) of        informal X formal drawings.

       Oath or declaration of Applicant(s).

       A power of attorney.

       An assignment of the invention to                                 .

       A Preliminary Amendment

       A verified statement to establish small entity status  
 under 37 C.F.R. § 1.9 and § 1.27.

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

					RATE		FEE		
	NUMBER FILED		NUMBER EXTRA*		SMALL ENTITY	OTHER ENTITY		SMALL ENTITY	OTHER ENTITY
Total Claims	64-20	=	44	X	\$9.00	\$18.00	=	\$396.00	\$
Independent Claims	13-3	=	10	X	\$42.00	\$84.00	=	\$420.00	\$
Multiple Dependent Claims Presented: <u>  </u> Yes <u>X</u> No					\$	\$		\$	\$
					BASIC FEE			\$375.00	\$
*If the difference in Col. 1 is less than zero, enter "0" in Col.2					TOTAL FEE			\$1191.00	\$

011504

15992 U.S. PTO

31355 U.S. PTO  
10/757827

011504

X   Check in the amount of \$ 1,191.00 is enclosed.  
(\$375.00 for filing fee, \$396.00 for additional  
dependent claims and \$420.00 for additional  
independent claims).

       Please charge Deposit Account No.        in the  
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  X   The Commissioner is hereby authorized to charge any  
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  X   Filing fees under 37 C.F.R. § 1.16.

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C.F.R. § 1.17.


       The issue fee set in 37 C.F.R. § 1.18 at or  
before mailing of the Notice of Allowance,  
pursuant to 37 C.F.R. § 1.311(b).

  X   Three copies of this sheet are enclosed.

       A certified copy of previously filed foreign  
application No.        filed in  
       on       .  
Applicant(s) hereby claim priority based upon this  
aforementioned foreign application under 35 U.S.C.  
§119.

  X   Other (identify). Express Mail Certificate of  
Mailing bearing label No. EL 837 182 422 US dated  
January 15, 2004.

Respectfully submitted,

  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Peter Brink et al.  
Serial No.: Not Yet Known  
Filed: Herewith  
For: MESENCHYMAL STEM CELLS AS A VEHICLE FOR ION  
CHANNEL TRANSFER IN SYNCYTIAL STRUCTURES

1185 Avenue of the Americas  
New York, New York 10036  
January 15, 2004

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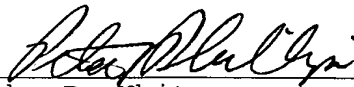
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**FOR ABOVE-IDENTIFIED APPLICATION**

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SAMUEL RHABIB

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